**Curriculum vitae**

**Dr. Devendra Mani Tripathi**

**Department of Microbiology**

**Bundelkhand University, Jhansi, India (U.P.)**

**Link; -** <https://ums.bujhansi.ac.in/BUJhansi/frmViewCampusFacultyProfile.aspx?FacultyID=226>

**E-mail:** tripathidevendramani@gmail.com,

drdmtripathi@bujhansi.ac.in

**Mobile: -+91-9473662522**

**Working Area: Microbiology**

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| **Areas of Interest** |
| 1. Study of Pollutant Toxicity on Microbial Population Dynamics
2. Bioremediation of Toxic Substances from Soil/water
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**EDUCATIONAL QUALIFICATIONS**

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| --- | --- | --- | --- |
| **S.N.** | **Degree** | **Year** | **Institute** |
| 1 | High School(10th) | 1996 | UP Board |
| 2 | Intermediate (12th) | 1998 | UP Board |
| 3 | B.Sc. | 2002 | Dr. R.M.L. Avadh University, Faizabad, U.P., India |
| **4** | **M.Sc. (Microbiology)** | 2004 | Dr. R.M.L. Avadh University, Faizabad, U.P., India |

**Ph.D.**

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| **S.N.** | **Degree** | **Year** | **Institute** | **Topic** |
| **1.** | **Ph.D.** **(Applied Microbiology)** | 2012 | Department of Botany, **Banaras Hindu University**, Varanasi, India**.** | Toxic Effects of Distillery Effluent on Population Dynamics of Soil Pseudomonas Population and Its Bioremediation |
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**NATIONAL LEVEL EXAMS**

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| **SN** | **Exam** | **Award** | **Letter No** |
| 1. | UGC-CSIR NET | **JRF** | F.No.10-2(5)/2007(i)-E.U.ll |
| 2. | UGC-CSIR NET | LS | F.No.10-2(5)/2007(ii)-E.U.11 |
| 3. | UGC-CSIR NET | LS | F.No.10-2(5)/2006(i)-E.U.11 |
| 4.. | ICMR NET | **JRF** | No.3/1/3/Next100/JRF/06-MPD |
| 5. | GATE | **---** | Ref.No:Card NO.504846 /Regno:XL 573066 |

**EXPERIENCES**

|  |  |
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| **S. N** | **Organization/Institute**  |
| 1. | Department of Microbiology, Bundelkhand University, Jhansi, U.P. |
| 2. | Department of Microbiology, JhunJhunwala P.G. College, Faizabad, U.P.(Affiliated to Dr.R.M.L. Awadh University, Faizabad) |
| 3. | **Visiting faculty:** Rani Lakshmi Bai Central Agricultural University **(RLB CAU)**, Jhansi since March 2015. |
| 4. | Member of Board of Studies (BOS) since. 2012 , J.C Bose Institute of Life Sciences, Department of Microbiology, Bundelkhand University Jhansi, U.P. India. |
| 5. | Assistant Centre Superintendent of examinations, Department of Microbiology, Bundelkhand University Jhansi-2014-16 |

**IMPORTANT PAPER /PUBLICATIONS**

|  |  |
| --- | --- |
| S.N. | Title  |
| **1**. | Tripathi, S., Pathak, V., Tripathi, D.M., Tripathi, B.D., 2011. Application of ozone based treatments of secondary effluents. Bioresource technology 102, 2481–6.  |
| 2. | Tripathi, DM., 2011. Removal of Organic Content and Color from Secondary Treated Wastewater in Reference with Toxic Potential of Ozone During Ozonation. Hydrology : Current Research (Previously JWWTA). |
| 3. | Tripathi, D., 2011. Implications of Secondary Treated Distillery Effluent Irrigation on Soil Cellulase and Urease Activities. Journal of Environmental … 2011, 655–661.  |
| 4. | Tripathi, D , 2011. Toxic Effects of Distillery Sludge Amendment on Microbiological and Enzymatic Properties of Agricultural Soil in a Tropical City. Journal of Environmental & Analytical Toxicology 01, 1–7. |
| **5.** | Tripathi S., Tripathi D.M. Assessment of distillery effluent irrigation on soil microbes and its bioremediation. Octa Journal of env. res. 2015. |
| **6.** | Tripathi D. M., Singh D, Tripathi S. Chemometric Charecterization and Source apportionment of water quality in tropical cities. 2016. Int. J. of Chem, Mate. And Env. Res. 3 (3), 42 – 48. |
| **7.** |  A Statistical Method for Source Apportionment of Soil Pollution.(2016) Tripathi D. M. and Tripathi S. |
| 8. | D.M., T., & S., T. (2017). Ecological Assessment of Water Quality of Betwa River in Jhansi District. *Environmental Pollution and Protection*, *2*(1), 1–5. https://doi.org/10.22606/epp.2017.21001 |
| 9. | Tripathi S., Tripathi D.M. 2017. Phytoremediation–Aeration System for Treatment of Urban Wastewater. 4(1): 1047. |
| 10 | Tripathi, D. M., Singh, D., & Tripathi, S. (2020). Influence of Coal Fly-Ash on Soil Properties and Productivity of Chickpea Crop in Semi-Arid Region of Bundelkhand. *Current World Environment*, *15*(1), 127–136. https://doi.org/10.12944/cwe.15.1.16 |

**IMPORTANT BOOKS/BOOK CHAPTER**

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| S.N. | Title  | Publisher/ISSN/ISBN |
| 1 | Application of Combined Process of Biofiltration and Ozonation for Treatment of Municipal Sewage in theSubtropical Cities (2011) Smriti Tripathi, Devendra Mani Tripathi, Mayank Pandey,Ashutosh Pandey and B.D. Tripathi | 978-93-82332- 03-9 |
| 2 | Effects of Distillery Effluent on soil and its Bioremediation | Lambert Academic Press/ 978-3-659-24847-4 |
| 3 | Ecological Assessment of Waste Water Treatment Technologies | Lambert Academic Press/ 978-3-659-17902-0 |
| 4 | Nitrogen perturbation on herbaceous vegetation | Lambert Academic Press/ 978-3-659-26669-0 |
| 5 | Plastic Waste:Environmental Pollution, Health Hazards and Biodegradation strategies (2016) Tripathi D. M. and Tripathi S. In Bioremediation of Industrial Pollutants.1-379. Edited by R N Bhragava ISBN-978-93-84649-60-9). | Published by Educationist Press, Write & Print Publications H-13, Bali Nagar, New Delhi 110 015 India/(ISBN-978-93-84649-60-9) |

**RESEARCH GUIDANCE**

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| **SN** | **Topic** | **Submitted**  | **Year** |
| **MSc Dissertation** |
| 1 | Antibiotic sensitivity and biochemical characterization of Pseudomonas sp. Isolated from soil and water samples from M.L.B medical college, jhansi | Department of Microbiology, Bundelkhand University, Jhansi (U.P.)  | Completed |
| 2 | Biochemical characterization and antibiotic sensitivity of Pseudomonas sp. Isolated from clinical samples of M.L.B medical college jhansi | Department of Microbiology, Bundelkhand University, Jhansi (U.P.)  | Completed |
| **MPhil Thesis** |
| **1** | Monitoring and Chemometric analysis of soil quality in the jhansi city | Institute of Environment and Developmental StudiesBundelkhand University, Jhansi (U.P.) | Completed |
| **2** | Monitoring and Chemometric analysis of water quality in the jhansi city | Institute of Environment and Developmental StudiesBundelkhand University, Jhansi (U.P.) | Completed |
| **PhD Thesis** |
| **1** | Soil amelioration by Coal Fly Ash and its impact on Microbial Activity and Microbial Population in Bundelkhand region (in progress) | Department of Microbiology, Bundelkhand University, Jhansi (U.P.) | In progress |
| **2** | Implications of Organic Matter and Water Content alterations on the Microbial Activity and Biomass, in a Soil of semi-arid Bundelkhand region (in progress) | Department of Microbiology, Bundelkhand University, Jhansi (U.P.) | In progress |
| **3** | “Implications of Organic carbon Dynamics on soil health in a semi- arid region of Bundelkhand | Department of Microbiology, Bundelkhand University, Jhansi (U.P.) | In progress |

**PRESENTED PAPER/POSTER**

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| S.N | Title of Conference | Organized by | Title of Paper | International/ national |
| 1. | International workshop on Climate change and Global Environment Politics | Malviya Centre for Peace Research, Faculty of Social sciences, Banaras Hindu University, Varanasi. | Effect of Distillery Effluent Irrigation on Environment | International Conference |
| 2. | WCSET 2009: World Congress on Science, Engineering and Technology | World Academy of Science, Engineering and Technology (WASET) in Singapore | Effect of Secondary Treated Distillery Effluent Irrigation on Soil Dehydrogenase Activity | International Conference |
| 3. | International congress on Recent Advances in Environmental Science and Technology (RAEST-2009) | CEST, BHU, Varanasi. | Study of Bioremediation of Distillery Effluent | International Conference |
| 4 | International conference on plant and environmental pollution (ICPEP – 4) |  NBRI, Lucknow | Implications of Secondary Treated Distillery Effluent Irrigation on Soil Cellulase and Urease Activities | International Conference |
| 5 | 51th International symposium on recent advances in cross – disciplinary microbiology, avenues and challenges | AMI, BIT, Mesra, Ranchi. | Distillery effluent irrigation on soil Pseudomonas Population Dynamics | International Conference |
| 6. | SAARC Workshop on biodiversity conservation | Deptt. of Plant physiology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi. | Treatment of anaerobically digested distillery spentwash using Pseudomonas sp. | International workshop |
| 7. | National workshop on Aviral and Nirmal Ganga: Issues and Challenges | CEST and save Ganga movement, Banaras Hindu University, Varanasi. | Microbial Characterisation of River Ganga water in the Vicinity of Varanasi city | National workshop |
| 8 | International seminar on Technology, Energy and Sustainable rural environment. | Department of Geography, BHU, Varanasi | Land Filter Technique for Distillery effluent Treatment-A case Study | International seminar |
| 9. | 2011-2nd International Conference on Environmental Science and Technology (ICEST 2011) | Asia-Pacific Chemical, Biological & Environmental Engineering Society (AP-CBEES& IEEE) in Singapore | Effect of Distillery Effluent on Some Soil Enzymes | International Conference |
| 10 | Issues and challenges of River Ganga Basin Management | Centre for environmental Science and Technology, BanarasHindu University, Varanasi | Seasonal and Temporal Variations in Physico-chemical andBacteriological Characteristics of River Ganga in Varanasi | National Conference |
| 11 | National Seminar on Application of Biotechnology to Improve Industrially Important Microbial Strains | Govt.PG College, Guna (MP) Affiliated to Jiwaji University , Gwalior | Optimization of anaerobically digested distillery molassesspent wash decolorization using soil as inoculum | National Seminar |
| 12 | National Conference on Ethno pharmacology and Biotechnology in Drug development-prospects and challenges | Deptt of Biomedical Sciences, Bundelkhand University Jhansi | Soil amendments and concerns about Public Health-an Indian perspective | National Seminar |
| 13 | 5th international Conference on Climate Change and Sustainable Management of Natural resources | ITM university, Gwalior | Responses of Microbial Populations and Activities to Land Conversion from Grassland to Agricultural Field in a Semi-Arid Sub-Tropical Region | International seminar |
| 14  |  “Status on India’s Biodiversity under changing climatic conditions with special reference to the semiarid zone of Bundelkhand region for upiftment of rural economy and woman empowerment | Institute of environment and development studies, Bundelkhand University Jhansi | Characterisation of water quality in Jhansi region | National Seminar |

**PARTICIPATED IN CONFERENCE/ SYMPOSIA**

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| **S.N** | **Title of Conference** | **Organized by** |
| 1 | International conference on strategic management of energy, environment, and disaster for sustainable development  | Banaras Hindu University, Varanasi |
| 2 | International Symposium on Phycological Research  | CAS, Deptt. of Botany, BHU, Varanasi |
| 3 | A workshop on ‘Ganga and Groundwater Contamination and its Mitigation’ organized by Centre Ground Water Board (CGWB), | Ministry of Water Resources, India at Banaras Hindu University, Varanasi |
| 4 | Materials Characterization Techniques | Department of Physics and Chemistry, St. Joseph’s Institute of Technology |
| 5 | a webinar on Discovery Services and related aspects | SALIS and Springer Nature |
| 6 | Trends in Publishing | Springer Nature and INFLIBNET. |
| 7 | "The Future Research Scientist In The Age of AI & Big Data” | Organised by NCCS, IISER Pune and Persistent Labs. |
| 8 | “Use of online resources in teaching – learning process” (UTU/CHEM/Certificate/182/2019-20) | Department of Chemistry, Uka Tarsadia University, Gujarat |
| 9 | a National e-Workshop / Webinar on कोरोना वायरस के साथ मानव जीवन  | Commission for Scientific and Technical Terminology, Department of Higher Education, Ministry of Human Resource Development. |
| 10 | Environment And Emergencies In The Face Of Covid-19: Environmental Coordination In Emergencies: Localisation And Lockdown Challenges | UN Environment Programme/OCHA Joint Environment Unit |

**ORGANISED/CHAIRED CONFERENCE**

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| **S.N** | **Title of Conference** | **Organized by** | **Date** | International/ national | **Role** |
| **1.** | National conference on recent trends in applied microbiology human health and environment | Department of microbiology Bundelkhand university Jhansi | March 27,28-2015 | National conference | Co-organizing secretory |

**MEMBERSHIP OF SOCIETIES**

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| **S.N.** | **NAME OF THE SOCIETY** |
| 1. | The Indian Science Congress Association |
| 2. | The Academy of Environmetal Biology |

**AWARDS**

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| **1.** | Awarded with **NESA GREEN TECHNOLOGY INNOVATIVE AWARD** during the Valedictory Function on 20th December,20l9 at the 32nd Annual Meet of the National Environmental Science Academy, New Delhi (NESA) and INTERNATIONAL CONFERENCE ON MATERIALS FOR. ENVIRONMENT, SUSTAINABLE SOCIETY AND GLOBAL EMPOWERMENT 2O19 held at Department of Nanotechnology, Visvesvaraya Technological University Center for Postgraduate Studies, Muddenahalli, Chikkaballapur, Karnataka |
| **2.** | Participated and was awarded for **BEST POSTER** in National Webinar on ENVIRONMENTAL PERSPECTIVE OF COVID-19 organized by Life Science Association and National Service Scheme Units SANATAN DHARMA COLLEGE Ambala, on June 05, 2020.  |

**WORKSHOPS/TRAININGS**

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| **S.N.** | **Title** | **Organised By** |
| **1** | National Training Programme on Microbial Identification and Gene Mining: A bioinformatics Approach | National Bureau of Agriculturally Important Microbes,Maunathbhanjan, UP |
| **2** | A Training programme on Data Analysis using SPSS | Department of Statistics SAP(DRS-1) in Banaras Hindu University, Varanasi |
| **3** | International workshop on rRNA sequencing, phylogeny and next generation genome sequencing | Association of Microbiologists of India, BIT, Mesra, Ranchi. |
| **4** | Computational Tools for Microbial Research | National Bureau of Agriculturally Important Microbes,Maunathbhanjan, UP |
| **5** | Varsha Jal SanchayanavamBhujalPunarbharan | Ministry of Rural Devlopment and Centre for Environmental Science and Technology, Banaras Hindu University, Varanasi |
| **6** | Faculty Development Progrramme by Dream Unipvt. Ltd. | Bundelkhand University Jhansi |
| **7** | Training workshop on turnitin and iThenticate | Bundelkhand University Jhansi |
| **8** | Forest in our daily life on one day workshop on Word Forestry Day celebration | Bundelkhand University, jointly organized by Department of Forest, Govt. of Uttar Pradesh; BU, Jhansi and Bundelkhand Environment Awareness & Development Society, Jhansi. |
| **9** | *Industrial Pollution abatement & Waste management* | BIET, Jhansi  |
| **10** | *e-Learning and MOOCs in Higher Education*  | Bundelkhand University |
| **11** | "ADVANCED CONCEPTS FOR DEVELOPING MOOCS” | Ramanujan college, University of Delhi, Sponsored by Ministry of Human Resource development, Govt of India |
| **12** | ICT Tools for Teaching, Learning and Administration | Organized by Department of Electronics and Communication, University of Allahabad, Prayagraj. |
| **13** | Active learning and advanced scientific Computing Methods | organised by Department of Physics, Loyola College, Chennai |
| **14** | Dimension and Degrees of Higher Education | Institute of Engineering and Technology Bundelkhand University Jhansi |
| **15** | Publishing Ethics and Research Methodology | Dr. B. R. Ambedkar Central Library, Jawaharlal Nehru University, New Delhi |